
ANSWER 4 © 2001 ACS

Title

Ion exchange membranes based on mixtures of strong polybase polymers with neutral polymers

Patent Assignee

Yeda Research and Development Co. Ltd., Israel

Publication Source

Israeli, 15 pp.

Identifier-CODEN

ISXXAQ

Patent Information

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IL 60843	A1	19851031	IL 1980-60843	19800814

Abstract

Supported or nonsupported crosslinked, **anion-exchange**, highly permselective membranes, useful in **electrodialysis**, are manufd. from compns. contg. a strong polybase, optionally quaternized, a neutral, water-sol., slightly polar polymer (e.g., polyamides), and a crosslinker for the polybase. Thus, a soln. contg. 100 mL DMF, 6 g Trogamid (semiarom. polyamide), 4 g poly(4-vinylpyridine) (15% quaternized with octyl bromide), and 1 g dibromodecane crosslinker was cast on glass or polyethylene films, and the resulting films were crosslinked 5-20 h at 50° in water to give a membrane with resistance 1-2 .OMEGA. cm² and potentials in NaCl solns.: 0.1N/0.01N 53.3 mV and 2N/1N 11.4 mV.

International Patent Classification

International Patent Classification, Main

C08J005-22

International Patent Classification, Secondary

B01D013-02

Document Type

Patent

Language

English

Accession Number